

differential movement means for rotating said differential relative to said drive system and thereby increasing or decreasing the output of said differential relative to said drive system.

19. A method of varying the slide motion in a running mechanical press, comprising:
connecting a differential to the press drive system;
and
utilizing the differential to alternatively add and subtract to the rotational velocity of the press crankshaft relative to the rotational velocity of the press drive system, including creating zero crankshaft velocity while the press drive system is operating.

Please add the following claims.

20. The method of Claim 19, further comprising:
utilizing the differential to produce constant slide velocity.

21. A press, comprising:
a slide;
a press drive system to cause said slide to move; and
a variable output differential operatively connected to said drive system, said variable output differential being operative to produce constant slide velocity.